

PATENT

Attorney Docket No. 20675-726

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

) PATENT APPLICATION

Inventor(s): Gamze Erten, et al.

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Application No.: 09/823,586

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Filed: March 30, 2001

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Title: **Method and Apparatus for Voice Signal Extraction**

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed below or on an attached Form PTO-1449 is information known to applicant(s). A copy of each listed publication and U.S. and foreign patent, except for pending U.S. applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

X This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- ___ (1) It is being filed within 3 months of the (CPA) filing date
-- OR --
___ (2) It is being filed within 3 months of entry of a national stage
-- OR --
X (3) It is being filed before the mail date of the first Office Action on the merits.

___ 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; or (3) the mailing date of a first Office action on the merits, but before the mailing date of the earlier of a final office action under §1.113 or a notice of allowance under §1.311, then:

___ a certification as specified in §1.97(e) is provided below; **or**

___ a fee of \$240.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

___ 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113 or a notice of allowance under §1.311, but before payment of the issue fee, then:

- A. a certification as specified in §1.97(e) is completed below; **and**
B. a petition under 37 C.F.R. §1.97(d) requesting consideration of this statement is submitted herewith; **and**
C. a fee of \$130.00 as set forth in §1.17(i)(1) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

X **Fee Authorization.** The Commissioner is hereby authorized to charge the above-referenced fees of \$ 0 and charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 23-2415 (Docket No. 20675-726)

Respectfully submitted,

WILSON SONSINI GOODRICH & ROSATI

Date: 5-21-01

By: 

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SHEET 1 OF 2

INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO.: 20675-726		SERIAL NO.: 09/823,586			
		APPLICANT: Gamze Erten					
		FILING DATE : March 30, 2001		GROUP : N/A			
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	5,140,670	8/18/92	Chua, et al.	395	24	10/5/89	
	5,355,528	10/11/94	Roska, et al.	395	24	10/13/92	
	5,383,164	1/17/95	Sejnowski, et al.	67	134	6/10/93	
	5,208,786	5/4/93	Weinstein, et al.	367	124	8/28/91	
	5,539,832	7/23/96	Weinstein, et al.	381	94	4/5/93	
	5,706,402	1/6/98	Bell	395	23	11/29/94	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	E. Weinstein, et al.; Multi-Channel Signal Separation by Decorrelation; IEEE Transactions on Speech and Audio Processing, vol.1, no.4, October 1993 pp. 405-413						
	C. Jutten and J. Herault; Blind Separation of Sources, Part I: An adaptive algorithm based on neuromimetic architecture; Signal Processing, vol 24, no. 1, July 1991, pp. 1-10						
	C. Jutten and J. Herault; Blind Separation of Sources, Part II: Problems Statement; Signal Processing, vol. 24, no. 1, July 1991, pp. 11-20						
	F.M.Salam; An Adaptive Network for Blind Separation of Independent Signals; Proceedings of the 1993 IEEE International Symposium on Circuits and Systems (ISCAS) vol. 1, pp. 431-434						
	A. Chihocki, et al.; Adaptive Approach to Blind Source Separation with Cancellation of Additive and Convolutional Noise; 3rd. International Conference on Signal Processing; 1996, vol.1; pp 412-415						
EXAMINER			DATE CONSIDERED				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



SHEET 2 OF 2

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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
						YES	NO
	WO98/58450	23/12/98	PCT	H03H	21/00		
	WO99/66638	23/12/99	PCT	H03H	21/00		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A.J. Bell, et al.; Blind Separation and Blind Deconvolution; An Information-Theoretic Approach; 1995 International Conference on Acoustics, Speech, and Signal Processing; ICASSP-95; vol 5; pp. 3415-3418.						
	G. Erten and F. Salam; Real Time Separation of Audio Signals Using Digital Signal Processors; MWSCAS 1997 Sacramento, California; IEEE 1997; pp 1237-1240.						
	FM Salam and G. Erten; Blind Signal Separation and Recovery in Dynamic Environments; NSIP 97 Workshop; Mackinac Island, Michigan, USA, in September 1997.						
	Hoang-Lan Nguyen Thi and Christian Jutten; "Blind Source Separation for Convolutional Mixtures"; Signal Processing European Journal Devoted to the Methods and Applications of Signal Processing; Vol. 45, No. 2; August 1, 1995; Pages 209-229						
	G. Erten and F. Salam; "Two Cellular Architectures for Integrated Image Sensing and Processing on a Single Chip"; Journal of Circuits, Systems and Computers, Vol. 8, Nos 5 & 6; 1998, Pages 637-659						
	G. Erten and F. Salam; "Modified Cellular Neural Network Architecture for Integrated Image Sensing and Processing"; Proceedings of the 1999 IEEE International Symposium on Circuits and Systems, Vol. 5, Orlando Florida, May 30-June 2, 1999; Pages 120-123						
EXAMINER			DATE CONSIDERED				

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